

**WEST**

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L14: Entry 15 of 21

File: DWPI

May 2, 2000

DERWENT-ACC-NO: 1998-314246

DERWENT-WEEK: 200029

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TITLE: Use of extracts from the plant Hypericum perforatum in compositions -  
for treating hepatitis C, chronic hepatitis C and related viruses, reduces risk  
of liver cirrhosis and need for liver transplantation

INVENTOR: LAVIE, D; STEINBECK-KLOSE, A

PATENT-ASSIGNEE:

ASSIGNEE

CODE

LAVIE D

LAVII

STEINBECK-KLOSE A

STEII

PRIORITY-DATA:

1996IL-0119833

December 15, 1996

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 6056961 A	May 2, 2000	N/A	000	A61K031/05
EP 847756 A1	June 17, 1998	E	008	A61K035/78

DESIGNATED-STATES: AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL  
PT RO SE SI

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-NO
US 6056961A	December 15, 1997	1997US-0990340	N/A
EP 847756A1	December 15, 1997	1997EP-0122064	N/A

INT-CL (IPC): A61K 31/05; A61K 31/12; A61K 35/78

ABSTRACTED-PUB-NO: EP 847756A

BASIC-ABSTRACT:

Use of Hypericum perforatum (HP) extract in compositions for treatment of  
hepatitis C, chronic hepatitis C and related viruses, is new. Also claimed are  
compositions containing HP.

USE - HP can be used to treat related viruses e.g. hepatitis G (claimed).

ADVANTAGE - The treatment reduces the risk of liver cirrhosis, reduces the need  
for liver transplantation and reduces the risk of patients developing liver  
cancer.

ABSTRACTED-PUB-NO:

US 6056961A

## EQUIVALENT-ABSTRACTS:

Use of Hypericum perforatum (HP) extract in compositions for treatment of hepatitis C, chronic hepatitis C and related viruses, is new. Also claimed are compositions containing HP.

USE - HP can be used to treat related viruses e.g. hepatitis G (claimed).

ADVANTAGE - The treatment reduces the risk of liver cirrhosis, reduces the need for liver transplantation and reduces the risk of patients developing liver cancer.

CHOSEN-DRAWING: Dwg.0/2

TITLE-TERMS: EXTRACT PLANT HYPERICUM COMPOSITION TREAT HEPATO CHRONIC HEPATO  
RELATED VIRUS REDUCE RISK LIVER CIRRHOSIS NEED LIVER TRANSPLANT

DERWENT-CLASS: B04

CPI-CODES: B04-A08C2; B04-A10; B14-H01; B14-N12;

CHEMICAL-CODES:

Chemical Indexing M1 \*01\*

Fragmentation Code

M423 M781 M903 P210 P723 V400 V406

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1998-096934

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L14: Entry 7 of 21

File: EPAB

Jun 17, 1998

PUB-NO: EP000847756A1

DOCUMENT-IDENTIFIER: EP 847756 A1

TITLE: Plant extracts for the preparation of pharmaceutical compositions for the treatment of hepatitis

PUBN-DATE: June 17, 1998

## INVENTOR-INFORMATION:

NAME

COUNTRY

LAVIE, DAVID

IL

STEINBECK-KLOSE, ANNE

DE

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

LAVIE DAVID

IL

STEINBECK KLOSE ANNE

DE

APPL-NO: EP97122064


APPL-DATE: December 15, 1997

PRIORITY-DATA: IL11983396A (December 15, 1996)

INT-CL (IPC): A61K 35/78

EUR-CL (EPC): A61K035/78

## ABSTRACT:

The use of extracts from the plant Hypericum perforatum in the preparation of pharmaceutical compositions for the treatment of hepatitis C, chronic hepatitis C and related viruses, said pharmaceutical compositions comprising at least one extract of the plant Hypericum perforatum and optionally in addition, one or more pharmaceutically acceptable inactive components, selected from, carriers, coatings, diluents and adjuvants. 

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L14: Entry 6 of 21

File: USPT

Feb 17, 1987

DOCUMENT-IDENTIFIER: US 4643850 A

TITLE: Silane modified ester mixtures, a method for their preparation, and their use in pharmaceutical and cosmetic preparations

## BSPR:

Examples of other preparations are massaging oils of any desired consistency, with contents of skin-treating agents such as eucalyptus oil or extracts of Hypericum perforatum or the like, oily preparations for treating the nasal mucosae, prepared especially from light liquid petrolatum, and containing, if desired, eucalyptus oil, ephedrine or other agents, lip ointments on a paraffin basis for use in protecting against strong solar radiation and chapping. Preparations for dentistry are also anticipated, with the advantage of good adhesion to the oral mucosae and teeth when the mouth is rinsed with water. Liquid or paste preparations with or without active substances are suitable for rectal application.

**WEST**☐ **Generate Collection**

L14: Entry 4 of 21

File: USPT

May 2, 2000

DOCUMENT-IDENTIFIER: US 6056961 A

TITLE: Plant extracts for the preparation of pharmaceutical compositions for the treatment of hepatitis

## ABPL:

The use of extracts from the plant Hypericum perforatum in the preparation of pharmaceutical compositions for the treatment of hepatitis C, chronic hepatitis C and related viruses, said pharmaceutical compositions comprising at least one extract of the plant Hypericum perforatum and optionally in addition, one or more pharmaceutically acceptable inactive components, selected from, carriers, coatings, diluents and adjuvants.

## BSPR:

The present invention involves the use of extracts of the plant Hypericum perforatum in the preparation of improved pharmaceutical compositions for the treatment, prevention and control of hepatitis C, chronic hepatitis and related viruses.

## BSPR:

The present invention predicted and discovered that treatment of patients with chronic active hepatitis C with preparations from Hypericum perforatum led to dramatic declines in HCV blood levels in these patients. In some cases the patients tested negative to HCV in extremely sensitive molecular assays such as the quantitative RT-PCR for hepatitis C virus or the branched DNA technology, inferring that no virus particles could be detected in their blood by these most sensitive and sophisticated detection techniques. The virus appears to have been completely eliminated. The preparations that were used are in most cases dried alcoholic extracts of the aerial parts of the plant Hypericum perforatum. They contain, among other compounds also hypericin and pseudohypericin. These are two photodynamic compounds which are activated by light and are known to act as virucidal agents (Moraleta G, T T Wu, A R Jilbert, C E

## BSPR:

The present invention involves the use of extracts of the plant Hypericum perforatum in the preparation of pharmaceutical compositions for the treatment of hepatitis C, chronic hepatitis and related viruses, said compositions comprising at least one extract of the plant Hypericum perforatum and optionally in addition, one or more pharmaceutically acceptable inactive components selected from, carriers, coatings, diluents and adjuvants.

## BSPR:

The treatment comprises administering to a patient pills or capsules of enriched extracts of Hypericum perforatum on a daily basis, 2-3 times per day for long periods of time, many months and possibly also numerous years. In some patients the decline in virus load is rapid and in others it requires a few months before virus titres decline significantly, tenfold or more in comparison with pretreatment levels. The improvements in liver function notes by decline in the blood levels of liver specific enzymes such as the transaminase SGPT can require many months. The suggested doses of Hypericum therapy will range from 1-50 capsules or tablets of Hypericum of preparations that contained 0.20-0.28% of total hypericin or preferentially 1-20 tablets/capsules of said Hypericum preparations. Preferred therapy will

include doses of 1-20 tablets/capsules of Hypericum perforatum preparation that contained 0.38-0.50% of total hypericin, and which will be administered orally or parenterally to provide a total daily dose equivalent to 1-10 mg of total hypericin per patient per day.

CLPR:

1. A method for treating hepatitis C in a patient infected with the hepatitis C virus, comprising administering to said patient infected with the hepatitis C virus, on a daily basis for a period of at least three months, between about 1 to about 5 grams of an extract from the plant Hypericum perforatum, said extract having a total hypericin content between about 0.2% and about 0.4% by weight.

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Term	Documents
(9 SAME 15).USPT,JPAB,EPAB,DWPI,TDBD.	0

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19 same 115

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<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,JPAB,EPAB,DWPI,TDBD	l9 same l15	0	<u>L20</u>
USPT,JPAB,EPAB,DWPI,TDBD	l13 10near l15	0	<u>L19</u>
USPT,JPAB,EPAB,DWPI,TDBD	l13 5near l15	0	<u>L18</u>
USPT,JPAB,EPAB,DWPI,TDBD	l13 same l15	197	<u>L17</u>
USPT,JPAB,EPAB,DWPI,TDBD	l13 and l15	233	<u>L16</u>
USPT,JPAB,EPAB,DWPI,TDBD	fibromyalgia	244	<u>L15</u>
USPT,JPAB,EPAB,DWPI,TDBD	l13 same l10	21	<u>L14</u>
USPT,JPAB,EPAB,DWPI,TDBD	treat\$5	1807462	<u>L13</u>
USPT,JPAB,EPAB,DWPI,TDBD	l10 same l11	0	<u>L12</u>
USPT,JPAB,EPAB,DWPI,TDBD	hypertension or heart failure or arrhythmia or ischa\$5 or angina or hypoinsulinemia or diabetes or hyperaldosteronemia or epilepsy	70798	<u>L11</u>
USPT,JPAB,EPAB,DWPI,TDBD	l9 same extract	60	<u>L10</u>
USPT,JPAB,EPAB,DWPI,TDBD	(St. Johns wort) or (Hypericum perforatum)	109	<u>L9</u>
USPT	(St. Johns wort) or (Hypericum perforatum)	47	<u>L8</u>
USPT	l2 10near l3	0	<u>L7</u>
USPT	l2 5near l3	0	<u>L6</u>
USPT	l2 same l3	21	<u>L5</u>
USPT	l2 and l3	41	<u>L4</u>
USPT	extract	166995	<u>L3</u>
USPT	hypericum perforatum	47	<u>L2</u>
USPT	amber	13388	<u>L1</u>



**WEST**[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Term	Documents
ST.	0
"ST.S"	12
JOHNS	15224
JOHN	629626
WORT	3585
WORDS	200
("ST." ADJ JOHNS ADJ WORT).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	0
(ST. JOHNS WORT).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	0

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[Refine Search](#)[Recall Text](#)[Clear](#)**Search History****DATE:** Thursday, July 03, 2003[Printable Copy](#)[Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
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<u>L10</u>	st. johns wort	0	<u>L10</u>
<u>L9</u>	saint johns wort	89	<u>L9</u>
<u>L8</u>	hypericum perforatum	242	<u>L8</u>
<u>L7</u>	l6 and l2	0	<u>L7</u>
<u>L6</u>	l4 or l3	761	<u>L6</u>
<u>L5</u>	st. johns wort	0	<u>L5</u>
<u>L4</u>	hypericum	583	<u>L4</u>
<u>L3</u>	st johns wort	245	<u>L3</u>
<u>L2</u>	chronic heart failure	771	<u>L2</u>
<u>L1</u>	galactose oligomer	3	<u>L1</u>

END OF SEARCH HISTORY

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## Search History

DATE: Tuesday, July 15, 2003 [Printable Copy](#) [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<u>L6</u>	12 same 14	9	<u>L6</u>
<u>L5</u>	14 and 12	64	<u>L5</u>
<u>L4</u>	heart\$6	159686	<u>L4</u>
<u>L3</u>	11 and 12	0	<u>L3</u>
<u>L2</u>	st johns wort or hypericum	767	<u>L2</u>
<u>L1</u>	chronic heart failure	787	<u>L1</u>

END OF SEARCH HISTORY

**WEST****End of Result Set**

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L6: Entry 9 of 9

File: DWPI

Mar 6, 1991

DERWENT-ACC-NO: 1991-066920

DERWENT-WEEK: 199646

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TITLE: Vasodilating agent and hair growth promoter - comprising extract from  
Hypericum erectum thumb

INVENTOR: AIZAWA, K; HOTTA, M ; KAMIYA, T ; KIKUTA, S ; KOSEMURA, S

PATENT-ASSIGNEE:

ASSIGNEE

CODE

KAO CORP

KAOS

PRIORITY-DATA: 1989JP-0226212 (August 31, 1989), 1990JP-0208894 (August 7, 1990)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 415327 A	March 6, 1991		000	
JP 2544239 B2	October 16, 1996		005	A61K035/78
JP 03163026 A	July 15, 1991		000	
EP 415327 B1	December 8, 1993	E	010	A61K035/78
DE 69005059 E	January 20, 1994		000	A61K035/78
US 5288485 A	February 22, 1994		006	A61K007/06
ES 2062232 T3	December 16, 1994		000	A61K035/78
US 5433957 A	July 18, 1995		006	A61K007/48

CITED-DOCUMENTS:2.Jnl.Ref; JP 63253019 ; 3.Jnl.Ref

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 415327A	August 27, 1990	1990EP-0116399	
JP 2544239B2	August 7, 1990	1990JP-0208894	
JP 2544239B2		JP 3163026	Previous Publ.
JP 03163026A	August 7, 1990	1990JP-0208894	
EP 415327B1	August 27, 1990	1990EP-0116399	
DE 69005059E	August 27, 1990	1990DE-0605059	
DE 69005059E	August 27, 1990	1990EP-0116399	
DE 69005059E		EP 415327	Based on
US 5288485A	August 24, 1990	1990US-0571877	Cont of
US 5288485A	May 24, 1991	1991US-0707224	
ES 2062232T3	August 27, 1990	1990EP-0116399	
ES 2062232T3		EP 415327	Based on
US 5433957A	August 24, 1990	1990US-0571877	Cont of
US 5433957A	May 24, 1991	1991US-0707224	Div ex
US 5433957A	August 12, 1993	1993US-0105189	
US 5433957A		US 5288485	Div ex

INT-CL (IPC): A61K 7/00; A61K 7/06; A61K 7/48; A61K 7/50; A61K 35/78

ABSTRACTED-PUB-NO: EP 415327A

BASIC-ABSTRACT:

A vasodilating agent (I) comprising an extra of Hypericum erectum thumb as an effective component, is new. The extract is from e.g. leaf, root, stem, fruit, seed or flower or a combination, and extraction utilises an organic solvent. Also new is a hair-growth promoting agent (II) comprising an extract of Hypericum erectum thumb from the same regions as before.

USE/ADVANTAGE - The Hypericum erectum thumb extract is effective for curing or preventing diseases caused by disorders in blood circulation such as hypertension, angina pectoris, myocardial infarction, congestive heart failure, frostbite, chilblain, cold constitution and alopecia.

In an example, backs of 20 C3H/He NCrj mice were shaven and a 1% solution or 5% solution of a sample, containing a-monoisostearyl glyceryl ether as a base solvent and a Hypericum erectum thumb extract, was applied once a day starting from the following day. Image analysis revealed significant hair growth promoting effects compared with a control group, after the 19th day of application.

ABSTRACTED-PUB-NO:

EP 415327B

EQUIVALENT-ABSTRACTS:

Use of an extract of hypericum erectum thumb in the manufacture of a vasodilating agent.

US 5288485A

Vasodilatory agent and hair growth promoter comprises extracts of hypericum erectum thumb, dispersed with the usual carriers and opt. additives. Prepn. of these extracts comprises extracting the ground plant tissues, e.g. leaf, stem, root, fruit, seeds and flowers, with an organic solvent, e.g. MeOH or EtOH. Hair growth promoter compsn. comprises a soln. of the extract in a suitable carrier.

USE - The prods. are applied to the scalp to promote hair growth, or are administered locally or orally for the prevention and therapy of hypertension, angina pectoris, myocardial infarction, congestive heart failure, frostbite, chilblains, etc..

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L6: Entry 6 of 9

File: JPAB

Jul 15, 1991

PUB-NO: JP403163026A

DOCUMENT-IDENTIFIER: JP 03163026 A

TITLE: VASODILATOR

PUBN-DATE: July 15, 1991

## INVENTOR-INFORMATION:

NAME

COUNTRY

KIKUTA, SEIJI

AIZAWA, KATSUNORI

KOSEMURA, SEIJI

KAMIYA, TETSURO

HOTTA, MITSUYUKI

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

KAO CORP

APPL-NO: JP02208894

APPL-DATE: August 7, 1990

INT-CL (IPC): A61K 35/78; A61K 7/06; A61K 35/78; A61K 35/78; A61K 35/78; A61K 35/78

## ABSTRACT:

PURPOSE: To obtain a vasodilator, containing an extract of *Hypericum erectum* Thunb. as an active ingredient and safely usable without any side effects.

CONSTITUTION: A vasodilator obtained by drying the whole herb or any one or two or more parts of leaf, stem, root, fruit, seed and flower of *Hypericum erectum* Thunb., pulverizing the parts or, without drying, pulverizing the parts, then extracting the resultant parts with preferably an organic solvent (e.g. polyhydric alcohols, alcohols, hydrocarbons or ethers), providing a fraction with high activity, as necessary, according to a suitable separating means and containing the resultant fraction therein. The aforementioned extract is capable of exhibiting excellent vasodilator action and hair tonic and hair growth action, useful as the vasodilator, hair tonic and hair growth and bathing agents and effective in treating and preventing diseases such as hypertension, angina pectoris, myocardial infarction, congestive heart failure, congelation, chilblain, feeling of cold and alopecia caused by disorder in blood circulation.

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L6: Entry 7 of 9

File: EPAB

Mar 6, 1991

PUB-NO: EP000415327A1  
DOCUMENT-IDENTIFIER: EP 415327 A1  
TITLE: Vasodilating agent.

PUBN-DATE: March 6, 1991

## INVENTOR-INFORMATION:

NAME	COUNTRY
KIKUTA, SEIJI	JP
AIZAWA, KATSUNORI	JP
KOSEMURA, SEIJI	JP
KAMIYA, TETSURO	JP
HOTTA, MITSUYUKI	JP

## ASSIGNEE-INFORMATION:

NAME	COUNTRY
KAO CORP	JP

APPL-NO: EP90116399

APPL-DATE: August 27, 1990

PRIORITY-DATA: JP22621289A (August 31, 1989)

INT-CL (IPC): A61K 7/06; A61K 35/78  
EUR-CL (EPC): A61K007/06; A61K035/78

## ABSTRACT:

A vasodilating agent and a hair growth promoting agent comprising an extract of hypericum erectum thunb as an effective component are disclosed. The hypericum erectum thunb extract is prepared from ground leaf, stem, root, fruit, seed, or flower of hypericum erectum thunb by extraction with an organic solvent. It is effective for curing or preventing diseases caused by disorder in blood circulation such as hypertension, an angina pectories, myocardial infarction, congestive heart failure, frostbite, chilblain, cold constitution, and alopecia.

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L6: Entry 5 of 9

File: USPT

Feb 22, 1994

DOCUMENT-IDENTIFIER: US 5288485 A

TITLE: Vasodilating agent

Abstract Text (1):

A vasodilating agent and a hair growth promoting agent comprising an extract of hypericum erectum thunb as an effective component are disclosed. The hypericum erectum thunb extract is prepared from ground leaf, stem, root, fruit, seed, or flower of hypericum erectum thunb by extraction with an organic solvent. It is effective for curing or preventing diseases caused by disorder in blood circulation such as hypertension, angina pectories, myocardial infarction, congestive heart failure, frostbite, chilblain, cold constitution, and alopecia.

Detailed Description Text (52):

Although the active component of the extract of hypericum erectum thunb which is the effective component of the vasodilating agent and the hair growth promoting agent of the present invention is yet to be identified, it can be extracted and concentrated by the method of the present invention and exhibits remarkable vasodilating action. It is effective for curing or preventing diseases caused by disorder in blood circulation such as hypertension, angina pectories, myocardial infarction, congestive heart failure, frostbite, chilblain, cold constitution, alopecia, and the like.



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L6: Entry 4 of 9

File: USPT

Jul 18, 1995

DOCUMENT-IDENTIFIER: US 5433957 A

TITLE: Vasodilating agent

Abstract Text (1):

A vasodilating agent and a hair growth promoting agent comprising an extract of hypericum erectum thunb as an effective component are disclosed. The hypericum erectum thunb extract is prepared from ground leaf, stem, root, fruit, seed, or flower of hypericum erectum thunb by extraction with an organic solvent. It is effective for curing or preventing diseases caused by disorder in blood circulation such as hypertension, angina pectories, myocardial infarction, congestive heart failure, frostbite, chilblain, cold constitution, and alopecia.

Detailed Description Text (52):

Although the active component of the extract of hypericum erectum thunb which is the effective component of the vasodilating agent and the hair growth promoting agent of the present invention is yet to be identified, it can be extracted and concentrated by the method of the present invention and exhibits remarkable vasodilating action. It is effective for curing or preventing diseases caused by disorder in blood circulation such as hypertension, angina pectories, myocardial infarction, congestive heart failure, frostbite, chilblain, cold constitution, alopecia, and the like.